**Homework 54- FORM A** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Prove Two Triangles are Congruent** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DUE ON WEDNESDAY!**

Failure to show all work and write in complete sentences will result in LaSalle!

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| 1) Prove the following:  **Given**  **Prove** ∆*DSR* ≅∆*QRS* | Reason  1) Given  **2) Reflexive Sides**  **3)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  Statement  1)  2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3) ∆*DSR* ≅∆*QRS* |
| 2) Prove the following:  **Given**  **Prove** ∆*CAS* ≅∆*RTS* | Reason  1) Given  **2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3)Vertical Angles**  **4)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  Statement  1)  2) CS ≅ SR  3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4) ∆*CAS* ≅∆*RTS* |
| 3) Prove the following:  **Given**  **Prove** ∆*HLM* ≅∆*KML* | Reason  1) Given  **2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3) Given in Figure**  **4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  Statement  1)    2) *LM ≅ LM*  3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 4) Prove the following:  **Given**  **Prove** ∆*ABC* ≅∆*XBV* | Reason  1) Given  **2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  Statement  1)    2) *XBV ≅ ABC*  3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |